

Additions to Insects of New Jersey, No. 3.

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According to Mr. Buchholz, the *Leucania extincta* Gn. (Lep.) records in the 1909 list, "Insects of New Jersey," refer to *Leucania linita* Gn., which was wrongly identified as *extincta*. Mr. Buchholz further informs me that *Leucania extincta* is a Southern species and has never been taken in New Jersey. This correction was made in my second list (Ent. News, June, 1915, p. 261) without the above explanation. In Dyar's "List of N. A. Lepidoptera," *linita* Gn., *scirpicola* Gn. and *amygdalina* Harvey are given as synonyms of *Heliophila (Leucania) extincta* Gn. *Leucania scirpicola* Gn. is recorded as a distinct species in my second list by Mr. Buchholz. In Smith's "Check List of the Lepidoptera of Boreal America," *extincta* Gn. is listed with *amygdalina* Harv. as a synonym. I would appreciate hearing from interested persons concerning the above confusion and difference of opinion.

Ochria sauzelitae (Lep.) should be cancelled from my first list (Ent. News, March, 1915), as Mr. M. H. Mead informs me that the record was based on a misidentification. *Papaipema necopina* Grt. (Lep.) is mentioned by Smith in his 1909 list as being sure to occur in New Jersey. In my first list of additions it is definitely recorded from Passaic Park by M. H. Mead. In my second list, Mr. Buchholz states that *necopina* has never been taken south of Buffalo, New York, and that *Papaipema maritima* Bird, which he records from Union County, New Jersey, should take the place of *necopina* in the 1909 list which was wrongly identified. In order to clear up the doubt in this matter, it will be necessary for the gentlemen in question to compare their specimens.

To Mr. J. R. de la Torre Bueno, I am indebted for the following notes and corrections relating to the Heteroptera in the 1909 list. *Thyreocoris lateralis* Fab. equals *Thyreocoris gillettei* V. D. and all records under the latter should apply to the former. *Lygaeus reclinatus* Say is a Western form and not found in New Jersey. *Orsillus scolopax* Say is still un-

recognized. *Cymus clavicularis* Fall. is really *discors* Horn to which all records under the former should be referred. *Heracus plebejus* Stal. is the only species in New Jersey, *orbicollis* Uhl., being a mss. name and undoubtedly referring to the same species. *Reduviolus pallescens* Reut. is a synonym of *R. sordidus* Reut., and all records should be transferred to the latter. *Barce simplicipes* Uhl. is a variety of *annulipes* Stal.

Mr. Torre Bueno also gives the following species which should undoubtedly be found in New Jersey: *Blissus hirtus* Mont. (New York); *Carpilis ferruginea* Stal. (Long Island in cranberry bog); *Leptoglossus magnoliae* Heid. (New York, Long Island, Massachusetts); *Tollius curtulus* Fab. (New York); *Ceraleptus americanus* Stal. (Long Island), (to be found in sandy places probably at roots of beach bushes); *Garzaphia angulata* Heid. (Eastern States); *Carthasis decorata* Uhl.; *Merragata hebroides* B. (Staten Island); *Enicocephalus culicis* Uhl. and *farmicinus* Uhl.; *Milyas barberi* Ds.; *Fitchia spinosula* Stal. (Long Island) and *Phymata vicina* Handl. (New York).

Order MALLOPHAGA.

Docophorus platyrhynchus Nitzsch. From *Buteo lineatus*. C. H. Richardson.

Order NEUROPTERA.

Sisyra lampra Navás. Lakehurst, June 28, 1911. Torre-Bueno.

Hesperoleon placidus Navás. Pt. Pleasant, July 25, Bueno. (Brook. Bull. Vol. x, No. 3).

Order TRICHOPTERA.

Neuronia pardalis Walker. Lakehurst, June 5, 1909. L. B. Woodruff. (Jour. N. Y. Ent. Soc., Vol. 21, p. 163.)

Oecetina fumosa Bks. Pemberton, June 20. H. B. Scammell.

Plectrocnemia cinereus Hg. Pemberton, June 24. H. B. Scammell.

Order ODONATA.

Agrion aequabile Say. Great Notch, May 30. W. T. Davis. (Jour. N. Y. Soc. Mar., 1913.)

Lestes uncatus Kirby. Newfoundland, August 4. W. T. Davis. (Jour. N. Y. Soc., Mar., 1913.)

Enallagma cyathigerum Charpentier (*annexum* Hagen) Ramsey, May 20. (Jour. N. Y. Soc., Mar., 1913.)

Enallagma piscinarium Williamson. Lakehurst, May 29, 1910. Woodruff. (Jour. N. Y. Soc., Mar., 1913.)

Enallagma ebrium Hagen. Newfoundland, Lake Hopatcong, July. (Jour. N. Y. Soc., Mar., 1913.)

Gomphus abbreviatus Hagen. Greenwood Lake, June 18, 1911. F. M. Schott.

Cordulegaster erroneus Hagen. Bear Swamp, Ramapo Mts., August 18, 1910. Chas. E. Slight. (Jour. N. Y. Soc., Mar., 1913.)

Lanthus albistylus Hagen. Bear Swamp, Ramapo Mts., June, July. C. E. Slight. (Jour. N. Y. Soc., Mar., 1913.)

Tetragoneuria spinigera Selys. Newfoundland, May 28, W. T. Davis. Greenwood Lake, June 30. Watson. (Jour. N. Y. Soc., Mar., 1913.)

Williamsonia lintneri Hagen. Paterson, May 4, J. R. Grossbeck. (Bull. Brook. Ent. Soc., Vol. 8, p. 93.)

Order THYSANOPTERA.

Hoplothrips karnyi Hood. Pemberton, August 29, 1914, on dead tree. H. K. Plank.

Cryptothrips gilvipes Hood. Pemberton, April, 1915. In cocoons of *Gelechia trialbamaculella*. H. B. Scammell.

Order HOMOPTERA.

Aphis sorbi Kaltenbach. Throughout the state on apple. T. J. Headlee & C. H. Richardson. The rosy apple aphid. (This is the form *malifoliae* of *Aphis mali* of the 1909 list.)

Aleyrodes coryli Britton. Norwood, August, on hazel nut. H. B. W.

Aleyrodes packardi Morrill. Westwood, May, 1915, on strawberry. G. Kircher.

Aleyrodes waldeni Britton. Somerville, July, on leaves of *Juglans* sp. H. B. W.

Chionaspis wistariae Cooley. Rutherford, on wistaria. Plants originally came from Japan. H. B. W.

Chrysomphalus perseae Comst. In greenhouses on orchids. H. B. W.

Leucaspis bambusae Kuwana. Riverton, March 16, 1911. On bamboo. H. B. W.

Order HEMIPTERA (HETEROPTERA).

Aradus shermani Heid. Lakehurst, May 25. Torre-Bueno.

Drymus crassus V. D. Camden, Torre-Bueno.

Acantholoma denticulata Stal. Schooleys Mt., May 20. Lutz. (Jour. N. Y. Ent. Soc., Vol. 20, p. 138.)

Order COLEOPTERA.

- Trechus borealis** Schaeffer. New Jersey, Nicolay. (Jour. N. Y. Soc., Mar., 1915).
- Atheta virginica** Brnhv. Vineland, March 10. H. B. W.
- Oxypoda (Sphenoma) obliqua** Casey. Vineland, September 14. H. B. W.
- Philonthus varians** Payk. Franklin Furnace, F. M. Schott. (Jour. N. Y. Soc., Mar., 1915).
- Ips caelatus** Eichh. Rutherford, May 10, 1915. In shoots of *Pinus mughus*. H. B. Weiss.
- Monotoma parallela** Lec. Anglesea, March. H. B. Weiss.
- Zenobia picea** Beauv. Red Bank, July 4, 1908. Kaeber. (Ent. News, Vol. 26, p. 238.)
- Hylecoetus lugubris** Say. Coytesville, April 18, 1915. R. P. Dow.
- Dyscinetus (Chalepus) rubra** Web. New Egypt, May 21. H. B. Scammell.
- Leptura exigua** Newm. Hewitt, June 21 on flowers of *Cornus paniculata*. Woodruff. (Jour. N. Y. Soc., Mar., 1915.)
- Sphenophorus solitaris**, Whitesbog, July 16. H. B. Scammell.

Order LEPIDOPTERA.

- Pachnobia salicarum** Walker. Passaic Park, April, 1914. M. H. Mead.
- Xylomiges dolosa** Grote. Passaic Park, April 24, 1914. M. H. Mead.
- Euharveya carbonaria** Harvey. Passaic Park, April 7, 1914. At light. M. H. Mead.
- Catocala innubens** Gn. var. *hinda* French. Passaic Park. M. H. Mead.
- Notolophus antiqua** Linn. Rutherford, on roses in nursery. H. B. Weiss.
- Tornos scolopacinarius** Gn. Irvington, August 15, 1914. F. Lemmer.
- Sesia rhododendri** Beutn. Somerville, August, 1914. Larva in rhododendron stem. H. B. Weiss.
- Diathrausta daeckalis** Haimbach. Browns Mills Jc., June 22, 1907. E. Daecke. (Ent. News, Vol. 26, No. 7.)
- Evetria buoliana** Schiff. Somerville (U. S. Bur. Ent. Bull. 170). Rutherford, May 12, 1915. In *Pinus mughus*. H. B. Weiss. The European pine shoot moth.
- Epagoge lycopodiana** Kearf. Pemberton, August 25, September 23, October 7, sweeping cranberry bog. H. B. Scammell & H. K. Plank.
- Zelleria haimbachi** Busck. Wenonah. Bred from short needle pine. F. Haimbach. (Proc. Wash. Soc., June, 1915.)

- Dichomeris vacciniella** Busck. Pemberton. Bred from cranberry. H. B. Scammell. (Proc. Wash. Soc., June, 1915.)
- Symmoca novimundi** Busck. Montclair. W. D. Kearfott. (Proc. Wash. Soc., June, 1915.)
- Stenoma algidella** Wlk. Whitesbog, May 26, 1914. Adult resting on cranberry vine. H. B. Scammell.
- Coleophora limosipennella** Dup. Hackensack, summer of 1914. H. B. Weiss. Case bearer on elm.
- Coleophora laricella** Hbn. Rutherford, on larch. H. B. Weiss. The larch case bearer.
- Anaphora busckella** Haimbach. Jamesburg, July 4. Haimbach. (Ent. News, Vol. 26, No. 7.)
- Urophora tephrosinella** Dyar. Woodbine, Sept. 20, 1914. Larvae in seed pods of sand vetch (*Cracca virginiana*). H. B. Weiss.

Order HYMENOPTERA.

- Kaliosysphinga ulmi** Lund. Westfield, summer of 1914. H. B. Weiss. Leaf miner of elm.
- Rhodites mayeri** Schl. New Brunswick, J. B. Smith (Bt.) (Bull. Brook. Soc., Dec., 1914.)
- Stigmus conestogorum** Roh. New Brunswick, mid-summer. C. H. Richardson.
- Oxylabis bifoveolatus** Brues. Snake Hill. (Canad. Ent., April, 1904.)
- Itoplectis conquisitor** Say. Browns Mills, Sept. 24, 1914. Bred from *Peronea minuta* Rob. H. B. Scammell.

Order DIPTERA.

- Prosimulium notatum** Mall. Pemberton, April 22. H. B. Scammell.
- Proctacanthus nigriventris** Macquart. New Jersey, H. S. Harbeck. (Annals. Ent. Soc. Amer., vol. 4, No. 2.)
- Aphiochaeta iroquiana** Mall. Pasadena, October 2, 6, 7. Bred from grasshopper. H. K. Plank.
- Pipiza albopilosa** Will. Palisades, May 10. Osburn. (Jour. N. Y. Soc., vol. 22, p. 336.)
- Leptocera palliceps** Johnson. Clementon, May 12, 1899. (Psyche, vol. 22, p. 22).
- Phytomyza aquifolii** Gour. Rutherford. Leaf miner in English holly. Has also been taken on holly imported from Holland. H. B. Weiss.
- Monarthropalpus buxi** Lab. Peapack, July, 1914. Boxwood leaf miner.